

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

401 M Street, S.W.  
WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

## DATA MATRIX

Date: September 18, 2009			EPA Reg No./File Symbol 85937-NEW		Page 1 of 5
Applicant's/Registrant's Name & Address Plant Impact Plc 12 South Preston Office Village, Cuerdan Way, Bamber Bridge, Preston, PR5 6BL, United Kingdom			Product: Bug Oil Food Use		
Ingredients: Canola oil, Tagetes oil, Thyme oil, and Wintergreen oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Group A: Series 830 – Product Identity, Composition and Analysis Test Guidelines</b>					
880.1100	Product Identity and Composition		Plant Impact Plc	OWN	
880.1200	Description of Materials Used to Produce the		Plant Impact Plc	OWN	
880.1400	Product, Production Process, Formulation Process, and Formation of Impurities				
830.1700	Comparison of Five Batches of Thyme Oil		Plant Impact Plc	OWN	
830.1700	Comparison of Five Batches of Tagettes Oil		Plant Impact Plc	OWN	
830.1750	Certified Limits		Plant Impact Plc	OWN	
830.1800	Enforcement Analytical Method		Plant Impact Plc	OWN	
830.1900	Submittal of samples		Plant Impact Plc.		1
<b>Group B: Series 830 – Physical and Chemical Properties</b>					
830.6302	Color		Plant Impact Plc	OWN	
830.6303	Physical State		Plant Impact Plc	OWN	
830.6304	Odor		Plant Impact Plc	OWN	
830.6313	Stability to normal and elevated temperatures, metals and ions		Plant Impact Plc	OWN	
830.6314	Oxidation/reduction: chemical incompatibility		Plant Impact Plc	OWN	2
830.6315	Flammability/flame extension		Plant Impact Plc	OWN	
830.6316	Explosability		Plant Impact Plc	OWN	
830.6317	Storage stability of product	To be submitted	Plant Impact Plc	OWN	
Signature <i>Martyn Pearce</i>			Name and Title Martyn Pearce, International Development Director		Date 9/18/09



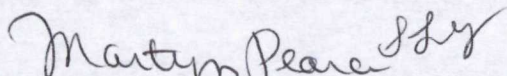


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<b>Group B: Series 830 – Physical and Chemical Properties (Continued)</b>					
830.6319	Miscibility		Plant Impact Plc	OWN	3
830.6320	Corrosion characteristics		Plant Impact Plc	OWN	
830.6321	Dielectric breakdown voltage				3
830.7000	pH		Plant Impact Plc	OWN	
830.7050	UV/Visible absorption				3
830.7100	Viscosity		Plant Impact Plc	OWN	
830.7200	Melting Point/melting range				3
830.7220	Boiling point/boiling range		Plant Impact Plc	OWN	
830.7300	Density/relative density/bulk density		Plant Impact Plc	OWN	
830.7370	Dissociation constant				3
830.7520	Particle size, fiber strength, diameter distribution				3
830.7550 830.7560 830.7570	Partition coefficient (n-Octanol/H <sub>2</sub> O)				3
Signature 			Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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830.7840	Water solubility		Plant Impact Plc	OWN	
830.7860					
830.7950	Vapor pressure		Plant Impact Plc	OWN	
<b>40 CFR 158.340 Toxicology Data Requirements</b>					
870.1100	Acute oral toxicity		Plant Impact Plc	OWN	
870.1200	Acute dermal toxicity		Plant Impact Plc	OWN	
870.1300	Acute inhalation toxicity - Waiver		Plant Impact Plc	OWN	
870.2400	Primary eye irritation		Plant Impact Plc	OWN	
870.2500	Primary dermal irritation		Plant Impact Plc	OWN	
870.2600	Dermal sensitization		Plant Impact Plc	OWN	
870.2600	Dermal sensitization (1%)		Plant Impact Plc	OWN	
870.5100, 870.5300, 870.5375	Genotoxicity - Waiver		Plant Impact Plc	OWN	
870.3100	90-day feeding - Waiver		Plant Impact Plc	OWN	
870.3700	Teratogenicity - Waiver		Plant Impact Plc	OWN	
Signature <i>Martyn Pearce</i>			Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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870.1100	Acute oral toxicity (Tagetes Oil)		Plant Impact Plc	OWN	
870.1200	Acute dermal toxicity (Tagetes Oil)		Plant Impact Plc	OWN	
870.2400	Primary eye irritation (Tagetes Oil)		Plant Impact Plc	OWN	
870.2500	Primary dermal irritation (Tagetes Oil)		Plant Impact Plc	OWN	
870.2600	Dermal sensitization (Tagetes Oil)		Plant Impact Plc	OWN	
830.1800	Analysis of Thyme oil, Tagetes Oil, and Wintergreen Oil for US Requirements		Plant Impact Plc	OWN	
830.1800	Validation of Analytical Method – GC Determination of Thyme Oil and Tagetes Oil in 'Bug Oil'		Plant Impact Plc	OWN	
830.1800	Analysis of wintergreen oil		Plant Impact Plc	OWN	
N/A	Petition Proposing an Exemption from the Requirement of a Tolerance for Residues of Tagetes Oil		Plant Impact Plc	OWN	
N/A	Toxicity summaries for each active ingredient		Plant Impact Plc	OWN	
N/A	Ecotoxicity summaries for each active ingredient		Plant Impact Plc	OWN	
N/A	Group B product chemistry summaries for each active ingredient		Plant Impact Plc	OWN	
Signature <i>Martyn Pearce</i>			Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>40 CFR 158.490 Wildlife and Aquatic Organisms Data Requirements</b>					
850.2100	Avian Oral LD50 – bobwhite quail		Plant Impact Plc	OWN	
850.2200	Avian Dietary LC50 – bobwhite quail		Plant Impact Plc	OWN	
N/A	Avian Dietary LC50 Analytical Method Verification		Plant Impact Plc	OWN	
850.1075	Freshwater fish LC50 – rainbow trout		Plant Impact Plc	OWN	
850.1010	Freshwater invertebrate LC50 – <i>Daphnia magna</i>		Plant Impact Plc	OWN	
850.4350	Nontarget insect – honeybee – acute oral		Plant Impact Plc	OWN	
850.3020	Nontarget insect – honeybee – acute contact		Plant Impact Plc	OWN	
850.4350	Nontarget insect – ladybird		Plant Impact Plc	OWN	
850.4350	Nontarget insect – parasitic wasp		Plant Impact Plc	OWN	
850.4350	Nontarget insect – parasitoid wasp		Plant Impact Plc	OWN	
850.4350	Nontarget insect – predatory mite		Plant Impact Plc	OWN	
850.4350	Nontarget insect – predatory mite		Plant Impact Plc	OWN	
850.4100	Waiver - Seedling emergence		Plant Impact Plc	OWN	
850.4150	Waiver - Vegetative vigor		Plant Impact Plc	OWN	
850.5400	Aquatic plant – <i>Pseudokirchneriella subcapitata</i>		Plant Impact Plc	OWN	
<b>NOTES</b>					
1. Submitted upon Agency request		2. Product contains no oxidizing/reducing agents			
3. Data requirement not applicable					
Signature <i>Martyn Pearce</i>			Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc.		OWN	1	
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN	2	
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Plant Impact Plc		OWN		
		Signature <i>Martyn Pearce</i>		Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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			Plant Impact Plc	OWN	
					3
			Plant Impact Plc	OWN	
					3
			Plant Impact Plc	OWN	
					3
			Plant Impact Plc	OWN	
			Plant Impact Plc	OWN	
					3
		3			
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			Plant Impact Plc	OWN	
			Plant Impact Plc	OWN	
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			Plant Impact Plc	OWN	
			Plant Impact Plc	OWN	
			Plant Impact Plc	OWN	
			Plant Impact Plc	OWN	
Signature <i>Martyn Pearce</i> <i>sdg</i>			Name and Title Martyn Pearce, International Development Director		Date 9/18/09





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			Plant Impact Plc	OWN	
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